REMARKS

Applicants note that the application originally contained claims 1-10 and these claims were amended under the PCT articles to claims 1-8. Claims 1-8 were then amended under 37 CFR §1.121 to now pending claims 1-18. (First Preliminary Amendment under 37 CFR §1.121, filed March 22, 2006 with the application)

Applicants believe that the Examiner may have missed this First Preliminary Amendment upon review of the application documents. A copy of this First Preliminary Amendment is attached for the Examiner's convenience.

In view of the above Remarks, applicants believe the pending application is now in condition for examination on the merits.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 03-2775, under Order No. 12810-00229-US1 from which the undersigned is authorized to draw.

Dated: November 27, 2007

Respectfully submitted,

Electronic signature: /Donald K. Drummond,

Ph.D./

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Docket No.: 12810-00229-US1

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Johannes Buettner et al.

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Application No.: TBA (National Phase of PCT/EP2004/010497)

Filed: Concurrently Herewith

For: METHOD FOR EXTRACTING

NITROCRESOLS FROM WASTE WATER PRODUCED IN THE MANUFACTURE OF MONONITROTOLUENE AND USE OF SAID

EXTRACT

Confirmation No.: N/A

Art Unit: N/A

Examiner: Not Yet Assigned

FIRST PRELIMINARY AMENDMENT

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

Prior to examination on the merits, please amend the U.S. patent application as follows:

Amendments to the Specification begin on page 2.

Amendments to the Claims are reflected in the listing of claims which begins on page 3

Remarks begin on page 6.

Amendments to the Specification

On page 1, immediately following the title, please add the following new section:

-- CROSS REFERENCE TO RELATED APPLICATION

The present application is a National Stage application of PCT/EP2004/010497, filed September 18, 2004, which claims priority from German Patent Application No. DE 103 45 601.5, filed September 29, 2003. --

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions and listings of the claims in this application.

Listing of the Claims:

- 1. (Currently amended) A process for preparing dinitrotoluene by nitration of toluene, which comprises using, as providing a feedstock, of nitrocresol-containing extracts obtained by removing nitrocresols from wastewater of mononitrotoluene preparation, adding one or more acids to the alkaline wastewater of mononitrotoluene preparation being acidified with acids to obtain a pH of at most 3 and treating the nitrocresols being treated with an extractant.
- 2. (Currently amended) The process according to claim 1, wherein the one or more acids having have a pK_a value of at most 2 are used.
- 3. (Currently amended) The process according to claim 1 or 2, wherein the one or more acids are mineral acids are used.
- 4. (Currently amended) The process according to any of claims 1 to 3 claim 1, wherein the nitrocresols are extracted with toluene, o-, m-, p-nitrotoluene or mixtures thereof.
- 5. (Currently amended) The process according to any of claims 1 to 4 claim 1, wherein the volume ratio of the wastewater to be extracted to the extractant is from 1:1 to 50:1.
- 6. (Currently amended) The process according to any of claims 1 to 5 claim 1, wherein the nitrocresol-containing extracts are added as a substream to the process stage of mononitration of toluene.

- 7. (Currently amended) The process according to any of claims 1 to 5 claim 1, wherein the nitrocresol-containing extracts are added as a substream to the process stage of dinitration.
- 8. (Currently amended) The process according to any of claims 1 to 7 claim 1, wherein the amount of nitrocresols added by the addition of the extracts is between 0.01 and 1% by weight based on the amount of dinitrotoluene obtained.
 - 9. (New) The process according to claim 2, wherein the acids are mineral acids.
- 10. (New) The process according to claim 4, wherein the volume ratio of the wastewater to be extracted to the extractant is from 1:1 to 50:1.
- 11. (New) The process according to claim 11, wherein the nitrocresol-containing extracts are added as a substream to the process stage of dinitration.
- 12. (New) The process according to claim 2, wherein the acids are selected from nitric acid, sulfuric acid or a mixture thereof.
- 13. (New) The process according to claim 1, wherein adding the one or more acids includes obtaining a pH of at most 2.
- 14. (New) The process according to claim 5, wherein the volume ratio is from 2:1 to 10:1.
 - 15. (New) The process according to claim 6, wherein the extractant is toluene.
- 16. (New) The process according to claim 7, wherein the extractant is 0-, m-, p-nitrotoluene.

17. (New) A process for preparing dinitrotoluene comprising:

providing a feedstock of nitrocresol-containing extracts obtained from a wastewater stream of a mononitrotoluene process, wherein nitrotoluene is used as an extractant; and

adding the feedstock to the dinitrotoluene process such that the amount of nitrocresols added by the addition of the extracts is between 0.01 and 1% by weight based on the amount of dinitrotoluene obtained.

18. (New) The process according to claim 17, wherein the volume ratio of the wastewater to the dinitrotoluene extractant is from 2:1 to 10:1.

REMARKS

Consideration of claims 1-18 is respectfully requested. The claim amendments were made in-part for purpose of clarification and format, and to remove multiple claim dependency. No new matter has been added. The claim amendments do not limit the original English translated claims. In view of the above amendments, applicants believe the pending application is in condition for allowance.

If a fee is due with this Amendment, please charge our Deposit Account No. 03-2775, under Order No. 12810-00229-US1 from which the undersigned is authorized to draw.

Dated:

3-22-06

Respectfully submitted

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